

APPENDIX B

Representative Support for Claims

Claim Limitation	Support in Specification
86. A biodegradable moldable product or film product	See page 3, line 14; page 12, lines 4-11; and page 13, lines 11-14.
prepared from a compatible blend comprising a biodegradable, hydrophobic, water-repellant, amorphous starch ester	See page 3, lines 1-2 and 9-16. The properties "hydrophobic, water-repellant, amorphous" are inherent in the starch esters disclosed as shown by the '983 patent, e.g., at col. 3, lines 60-65, and col.16, line 8.
having a degree of substitution of about 1.1 to about 2.5DS	See page 10, line 2, and page 5, line 19.
and a biodegradable polyester selected from the group consisting of poly(6-caprolactone), poly(lactic acid), poly(glycolic acid), poly(hydroxy butyric acid), poly(hydroxy isobutyric acid), poly(hydroxy valeric acid), poly(hydroxybutyrate -co-valerate) and poly(hydroxy alkanates).	See page 7, lines 15-26, and page 8 line 19, to page 9, line 6.

Claim Limitation	Support in Specification
93. A moldable composition	See page 3, line 14; page 12, lines 4-11; and page 13, lines 11-14.
comprising a compatible thermoplastic blend of a biodegradable, hydrophobic, water-repellant, amorphous starch ester	See page 3, lines 1-2 and 9-16. The properties "hydrophobic, water-repellant, amorphous" are inherent in the starch esters disclosed as shown by the '983 patent, e.g., at col. 3, lines 60-65, and col.16, line 8.
having a degree of substitution of about 1.1 to about 2.5DS	See page 10, line 2, and page 5, line 19.
and a biodegradable polyester selected from the group consisting of poly(6-caprolactone), poly(lactic acid), poly(glycolic acid), poly(hydroxy butyric acid), poly(hydroxy isobutyric acid), poly(hydroxy valeric acid), poly(hydroxybutyrate -co-valerate) and poly(hydroxy alkanoates).	See page 7, lines 15-26, and page 8 line 19, to page 9, line 6.

Claim Limitation	Support in Specification
98. A biodegradeable moldable composition	See page 3, line 14; page 12, lines 4-11; and page 13, lines 11-14.
comprising a compatible thermoplastic blend of a biodegradable starch ester having a degree of substitution of about 1.1 to about 2.5DS and an amylose content of at least 50%,	See page 3, lines 1-3 and 9-21, page 10, line 2, and page 5, line 19.

said starch selected from the group consisting of corn starch, potato starch, tapioca starch, rice starch, wheat starch, pea starch, rye starch, oats starch, and barley starch,	See page 6, Table 2 and last paragraph.
and a biodegradable polyester selected from the group consisting of poly(6-caprolactone), poly(lactic acid), poly(glycolic acid), poly(hydroxy butyric acid), poly(hydroxy isobutyric acid), poly(hydroxy valeric acid), poly(hydroxybutyrate-co-valerate) and poly(hydroxy alkanates).	See page 7, lines 15-26, and page 8 line 19, to page 9, line 6.

Support for the Following Claims as Noted.

87. A product as set forth in claim 86 wherein said starch ester has an amylose content of at least about 50%. [see page 3, line 21, and page 6, last three lines.]

88. A product as set forth in claim 86 wherein said starch ester has an amylose content of at least about 70%. [See page 6, last tree lines, to page 7, line 2.]

89. A product as set forth in claim 86 wherein said starch ester has a degree of substitution of 1.1 to 1.75DS. [See page 10, line 2, and Table 1, Example 1]

90. A product as set forth in claim 86 wherein said starch ester is an ester of a starch selected from the group

consisting of corn starch, potato starch, tapioca starch, rice starch and wheat starch. [See page 6, last paragraph.]

91. A product as set forth in claim 86 further including a plasticizer. [See page 10, line 6-11.]

92. A product as set forth in claim 91 wherein the plasticizer is selected from the group consisting of glyceryl triacetate, triethyl citrate, acetyl triethyl citrate, tributyl citrate, acetyl tributyl citrate, diethyl phthalate, glyceryl tribenzoate, N-ethyl-o,p-toluene sulfonamide, dimethyl sebacate, dibutyl sebacate, pentaerythritol tetraacetate, pentaerythritol tetrabenzoate, and diethyl succinate. [See page 10, lines 6-11.]

94. A composition of claim 93 in which said starch ester has an amylose content of at least about 50%. [see page 3, line 21, and page 6, last three lines.]

95. A composition of claim 93 which contains a filler. [See page 11, second paragraph.]

96. A molded product formed by heating a composition of claim 93 so that it is thermoplastic and then shaping it into a product. [See page 1, line 7, and page 2, lines 24-31.]

97. A method of forming a product which comprises heating a composition of claim 93 until it is thermoplastic and then shaping it into a product. [See page 1, line 7, and page 2, lines 24-31.]

99. A product as set forth in claim 98 further including a plasticizer selected from the group consisting of glyceryl triacetate, triethyl citrate, acetyl triethyl citrate, tributyl citrate, acetyl tributyl citrate, diethyl phthalate, glyceryl tribenzoate, N-ethyl-o,p-toluene sulfonamide, dimethyl sebacate, dibutyl sebacate, pentaerythritol tetraacetate, pentaerythritol tetrabenzoate, and diethyl succinate. [See page 10, lines 17-25.]